

**ABSTRACT**

The information processing unit according to the present invention is formed with a processing unit's main frame (300) for processing various types of information and an input device (100), and the input device (100) comprises a display unit (20) and a rotor (30). When the rotor is rotated, the switching request information for switching information in a plurality of layers to be processed by the processing unit's main frame (300) is set. The switching request information for switching the layers is set in response to oscillation of the rotor in the vertical direction. When switching information, image data for information currently being displayed and the image data to be displayed next are compressed to those with smaller dimensions, and then combined in the lateral direction to generate one piece of switching image data. The tone processing is carried out so that tone change occurs at least in a portion of the switching image data. When operating the rotor (30) to select the image data for the information to be displayed next, the switching image data looks like a rotating cylindrical column.